Khawaja Abdullah

Software Engineer

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in Linkedin   ○ Github

SUMMARY

Results-oriented Software Engineer with 2+ years of experience developing web applications and backend systems. Proficient in C, C#, Python, PHP, and JavaScript, with hands-on expertise in CRM development using Microsoft Dynamics 365 and PowerApps. Skilled at writing clear, concise code easy to maintain and troubleshoot.

EXPERIENCE

Associate Software Developer, *VeriPark*   Aug 2024 – Present
.NET, Typescript, Dynamics 365, PowerApps
- Created custom TypeScript web resources in PowerApps to enhance client-side interactivity.
- Built .NET plugins to automate borrower income recalculations for Garanti Bank Romania.
- Implemented .NET custom actions integrated with VeriLink API for real-time validations and customer checks.
- Developed a .NET console app to manage post-deployment actions in Azure DevOps pipelines.

Associate Solutions Developer, *Global Risk Compliance Technologies*   Jul 2023 – Jul 2024
PHP, Laravel, Javascript Python, Machine Learning, LLM Rag, Langchain   Karachi, Pakistan
- Developed a cloud-deployed risk compliance app ⧉ using PHP/Laravel for secure, web-based compliance tracking.
- Integrated a FastAPI-based RAG system for real-time Q&A from user-uploaded documents.
- Built a sales forecasting model for Lucky Motors using Neural Prophet.
- Created a React dashboard to visualize forecasting results and key metrics.

EDUCATION

Diploma in Big Data Analytics, *Institute of Business Administration - IBA*   Aug 2024 – Dec 2024

Bachelors of Science in Computer Science,   Aug 2020 – Jun 2024
National University of Computer and Emerging Sciences - FAST

SKILLS

Programming Languages
C# | C | C++ | PHP | Python | Javascript

Frameworks and Libraries
.NET | Laravel | ReactJS | React Native | NodeJS

Other Skills
Docker | Kafka | Git | TFS | Azure Devops | Machine Learning

Microsoft Dynamics365
Plugin | Webresources | Business Rules | Business Process Flows | Ribbon Customization | Actions

Database
SQL | MongoDB | Neo4J

PERSONAL PROJECTS

CRICFUSION - Final Year Project
React Native, NodeJS, Google maps API , MongoDB, Python
- Research on Estimated Decay Moving Averages to get current player's form for feature engineering.
- Developed Recommender Sytem using unsupervised learning (clustering) to recommend playingXI.
- Impleted a cricket league hosting system with live scoring using React Native and Node Js.
- Designed an Auction Module for Player bidding in Leagues.

Expense Management System
.NET MVC | C# | Entity Framework | Microsoft SQL Server | Bootstrap
- Developed a web-based expense management system with role-based access for Employees, Managers, Accountants, and Admins.
- Implemented a multi-step approval workflow with dynamic form calculations and currency validation.
- Enabled reporting, audit logging, and user notifications for actions and status updates.
- Designed filterable listing pages and maintained data integrity through SQL and Entity Framework.

Weather Data end to end ETL Pipeline
Apache Airflow, Astro CLI, Docker, PostgreSQL, REST API, Open-Meteo API
- Developed a modular, production-ready ETL pipeline using Apache Airflow with Astro Runtime, automating the extraction, transformation, and loading (ETL) of real-time weather data from the Open-Meteo public API.
- Integrated external APIs and PostgreSQL using Airflow's HTTPHook and PostgresHook for secure, reusable connections.
- Containerized Airflow and PostgreSQL with Docker Compose for local development and testing.
- Automated daily DAG runs via Airflow scheduler with full task monitoring through the Airflow UI.

Karachi City FC
Laravel, Bootstrap, MySql, ZKteco Biometric
- Developed a web-based application for *KarachiCityFC*, a football club in Karachi, using the Laravel MVC framework, enhancing operational efficiency and digital presence.
- Integrated biometric attendance system using ZKTeco devices, streamlining student attendance tracking and improving accuracy.
- Designed and implemented an inventory management module to efficiently monitor and manage the academy's equipment and supplies.

Courses and Certificates

Oracle Certified Generative AI Professional, *Oracle*

ASP .NET MVC5 Course, *Udemy*

Azure Serverless Functions and Logic Apps, *Udemy*

Microsoft Dynamics365 & Powerapps Developer Course, *Udemy*

ASP .NET Core Web API, *Udemy*

PHP & MYSQL Certification Course, *Udemy*

Advanced CSS & Sass, *Udemy*